

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior version, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1 to 11 (canceled).

12. (New) A device for determining at least one parameter of a medium flowing in a line in a main flow direction, the device adapted for introduction into the line with a predetermined orientation relative to the main flow direction, comprising:

at least one measuring element configured to determine the at least one parameter of the medium;

at least one measuring channel including:

an inlet;

an outlet, wherein the at least one measuring channel is configured for a partial stream of the medium to flow in a measuring channel flow direction through the at least one measuring channel from the inlet to the outlet;

a bent first section located between the inlet and the at least one measuring element, and adapted for redirecting the partial stream after the partial stream enters the at least one measuring channel through the inlet; and

a second section, wherein the at least one measuring element is located in the second section, the first section transitioning into the second section in a transitional region; and

a projection that projects into the at least one measuring channel at a location downstream from the inlet and upstream from the at least one measuring element when viewed in the measuring channel flow direction, wherein the projection is adapted for directing the flow of the partial stream and for counteracting a separation of the flow of the partial stream from channel walls of the at least one measuring channel.

13. (New) The device according to claim 12, wherein the projection includes a partition that is one of: a) at least one single-component, continuous partition located in the at least one measuring channel transversely to the measuring channel flow direction; and b) at least one interrupted, double-component partition located in the at least one measuring channel transversely to the measuring channel flow direction.

14. (New) The device according to claim 12, wherein the projection is located in the transitional region from the first section to the second section.

15. (New) The device according to claim 13, wherein the partition is attached with two end sections that face away from each other to diametrically opposed wall sections of an interior wall of the at least one measuring channel in such a manner that a line that connects the two end sections of the partition extends approximately perpendicularly to the measuring channel flow direction.

16. (New) The device according to claim 13, wherein the partition includes end sections, a front side that faces the measuring channel flow direction, a back side that faces away from the measuring channel flow direction, and two flow guide surfaces extending approximately parallel to the measuring channel flow direction.

17. (New) The device according to claim 16, wherein the front side is oriented perpendicularly to the measuring channel flow direction.

18. (New) The device according to claim 16, wherein the back side extends, relative to the measuring channel flow direction, at an angle that is less than ninety degrees and greater than zero degree.

19. (New) The device according to claim 13, wherein surfaces of the partition that are exposed to the flow of the partial stream have one of a guide vane geometry and a guide blade geometry.

20. (New) The device according to claim 13, wherein the at least one interrupted, double-component partition includes two partial wall sections that project toward each other from diametrically opposed interior wall sections of the at least one measuring channel.

21. (New) The device according to claim 20, wherein the partial wall sections are separated by a gap.

22. (New) The device according to claim 20, wherein:
each of back sides of the partial wall sections extends, relative to the measuring channel flow direction, at an angle that is less than ninety degrees and greater than zero degree.

23. (New) The device according to claim 22, wherein the angle is less than seventy degrees and greater than thirty degrees.

24. (New) The device according to claim 12, wherein the medium is an intake air for an internal combustion engine, and the at least one parameter includes a mass of the intake air.